From: Moore, Gary
To: Warr (Kettler), Kristie
Subject: Fw: TCLP Results
Date: Wednesday, October 29, 2014 8:08:58 AM

Kristie:
Here are some references below from TCEQ on sample cleanup. Would these help any?

Gary Moore
Federal On-Scene Coordinator
U.S. EPA Region 6
214-789-1627 cell
214-665-6609 office
moore.gary@epa.gov

From: Keith Witter
Sent: Wednesday, October 29, 2014 7:19 AM
To: Moore, Gary
Cc: Terry Andrews; Scott Green; will.wyman_tceq.texas.gov
Subject: RE: TCLP Results

Gary I've heard of a method where they clean up the sample using sulfuric acid but the method has about a 50% success rate. Contact your reference laboratory and see if they perform that method, I know Xenco offers that method, I'd only try a limited number of samples to see if you get results. I did a quick check for an EPA Method but only found methods for the analysis of metals in difficult matrices. I did find a couple of reference articles that I have provided links to below.
The alternative is to use process knowledge and unfortunately your process knowledge is the waste stream is hazardous.
http://link.springer.com/article/10.1007%2FBF02467500#page-1
http://www.chem.pg.gda.pl/CEEAM/Dokumenty/CEEAM_ksiazka/Chapters/chapter13.pdf
I hope that helps, I'll look into it further if your reference laboratory does not offer the sulfuric acid clean up. Again, I know Xenco Labs offers it, I've seen it in lab work I've validated before.
Thank you,
Keith Witter
Chemist
Waste Permits Division
(512) 239-6863

From: Moore, Gary [mailto:Moore.Gary@epa.gov]
Sent: Tuesday, October 28, 2014 4:42 PM
To: Keith Witter
Cc: Terry Andrews
Subject: CES: TCLP Results
Keith:
I am having some difficulty with some of the matricies at this site and as a result the detections limits are above the Regulatory Level. Other than using generator knowledge, is there any other recourse other than reanalyzing to attempt to get the detection limits lower to resolve the matrix interferences? I am afraid this won't help since these matricies are oily.
The issues are chlorodane, heptachlor/heptachlor epoxide, 2,4-dinitrotoluene, and

hexachlorobenzene.
Thanks

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